

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) An image forming apparatus comprising:

a reception section receiving in an order, a data broadcasting ~~signal~~ signals, ~~said broadcasting signal including video information,~~ formed of a pair of image data, including a frame configuring a moving picture, and private data, including print-out data and a control signal involved in print-out;

a detection section detecting said print-out data and said control signal from said received data broadcasting signal;

a storage section storing said detected print-out data into a memory apparatus; and

an output section printing out said print-out data stored in said memory apparatus in response to a control signal including an instruction to start printing said print-out data stored in said memory apparatus,

wherein said control signal including an instruction to start printing said print-out data is included in ~~a broadcasting signal that is received at a time different from a time when a data broadcasting signal including said print-out data is received~~ private data forming a pair with image data included in a data broadcasting signal received at a time different from a time at which a data broadcasting signal including image data forming a pair with private data including said print-out data is received.

2. (Currently Amended) The image forming apparatus according to claim 1, wherein

in a case where said control signal including an instruction to start printing is detected in said detection section in a state where print-out is disabled, print-out of said print-out data is inactive on standby ~~till~~ until a print-out instruction is entered by a user after said state where print-out is disabled is cleared.

3. (Previously Presented) The image forming apparatus according to claim 1, further comprising:

a transition section, in response to detection of said print-out data in said detection section in a second state other than a first state where printout is enabled, transitioning said output section from said second state to said first state.

4. (Previously Presented) The image forming apparatus according to claim 1, further comprising:

an end detecting section detecting the end of data broadcasting from a received data broadcasting signal; and

an erasure section, when the end of said data broadcasting is detected, erasing said print-out data stored in said memory apparatus.

5. (Currently Amended) A printing system comprising a data broadcasting receiving terminal and an image forming apparatus,

said data broadcasting receiving terminal including:

a reception section receiving in an order, a data broadcasting ~~signal~~ signals,

~~said broadcasting signal including video information, formed of a pair of image data,~~
including a frame configuring a moving picture, and private data, including print-out
data and a control signal involved in print-out;

a detection section detecting said print-out data and said control signal from
said received data broadcasting signal;

a first notification section notifying said image forming apparatus of said
detected print-out data; and

a second notification section notifying said image forming apparatus of said
control signal; and

said image forming apparatus including:

a storage section storing said print-out data notified from said data
broadcasting receiving terminal by said first notification section in a memory
apparatus; and

an output section printing out said print-out data stored in said memory
apparatus in response to a notification of a control signal including an instruction to
start printing said print-out data stored in said memory apparatus,

wherein said control signal including an instruction to start printing said print-
out data is included in ~~a broadcasting signal that is received at a time different from a~~
~~time when a data broadcasting signal including said print-out data is received~~ private
data forming a pair with image data included in a data broadcasting signal received
at a time different from a time at which a data broadcasting signal including image
data forming a pair with private data including said print-out data is received.

6. (Previously Presented) The printing system according to claim 5, wherein
when said control signal including an instruction to start printing is notified
from said data broadcasting receiving terminal by said second notification section in
a state where print-out is disabled,

said image forming apparatus is inactive on standby till a print-out instruction
is entered by a user after said state where print-out is disabled is cleared.

7. (Previously Presented) The printing system according to claim 5, wherein
said image forming apparatus further including:

a transition notifying section notifying said data broadcasting receiving
terminal of transition from a first state where print-out is enabled to a second state
other than said first state, and

a transition section, when said print-out data is notified from said data
broadcasting receiving terminal by said first notification section in said second state,
transitioning said output section from said second state to said first state.

8. (Currently Amended) The printing system according to claim 5, wherein
said image forming apparatus further including:

a transmission section, when said print-out data is notified from said data
broadcasting receiving terminal by said first notification section, transmitting a first
time data, which is a time ~~till~~ until the start of print-out is enabled, to said data
broadcasting receiving terminal, and

said data broadcasting receiving terminal further including:

an extraction section extracting from said detected control signal a second time data, which is a time difference between a timing at which video information included in said data broadcasting signal is reproduced and a timing at which said detected print-out data is printed out; and

a determination section determining a timing at which said control signal including an instruction to start printing is notified to said image forming section in said second notification section based on said first time data transmitted by said transmission section of said image forming apparatus and said extracted second time data.

9. (Previously Presented) The printing system according to claim 5, wherein said data broadcasting receiving terminal further including:

an end detecting section detecting the end of data broadcasting from said received data broadcasting signal; and

an end notifying section notifying said image forming apparatus of said detected end of data broadcasting, and

said image forming apparatus further including:

an erasure section erasing said print-out data stored in said memory apparatus when said end of broadcasting is notified from said data broadcasting receiving terminal in said end notifying section.

10. (Canceled)

11. (Currently Amended) An information processing apparatus comprising:

a reception section receiving ~~information including video information, in an~~
order, data broadcasting signals formed of a pair of image data, including a frame
configuring a moving picture, and private data, including print-out data and a control
signal involved in print-out;

a separation section separating said ~~video information~~ image data and said
print-out data from said received ~~information~~ data broadcasting signal;

a transmitting section transmitting said separated print-out data to an image
forming apparatus; and

a commanding section issuing a command for printing out said print-out data
to said image forming apparatus in response to a control signal including an
instruction to start printing said print-out data,

wherein said control signal including an instruction to start printing said print-
out data is included in ~~information that is received at a time different from a time~~
~~when information including said print-out data is received~~ private data forming a pair
with image data included in a data broadcasting signal received at a time different
from a time at which a data broadcasting signal including image data forming a pair
with private data including said print-out data is received.

12. (Canceled)

13. (Canceled)

14. (Currently Amended) A computer readable medium storing a data transmission program ~~stored on a computer readable medium~~ for causing a computer to execute data transmission processing comprising:

detecting print-out data from a received data broadcasting ~~signal~~ signals, the ~~data broadcasting signal including video information~~ formed of a pair of image data, including a frame configuring a moving picture, and private data, including print-out data and a control signal involved in said print-out;

sending out said detected print-out data to an image forming apparatus;

detecting a control signal including an instruction to start printing said print-out data from a ~~received data broadcasting signal which is different from said received data broadcasting signal including said print-out data~~ private data forming a pair with image data included in a data broadcasting signal received at a time different from a time at which a data broadcasting signal including image data forming a pair with private data including said print-out data is received; and

issuing a print-out command for said print-out data to said image forming apparatus in response to said control signal including an instruction to start printing is detected.

15. (Currently Amended) The computer readable medium storing a data transmission program according to claim 14, wherein said data transmission processing further ~~comprising~~ comprises:

detecting the end of said data broadcasting from a received data broadcasting signal, and

commanding erasure of said print-out data to said image forming apparatus
when said end of data broadcasting is detected.

16. (Canceled)

17. (Canceled)